

Claims

[c1] WHAT IS CLAIMED IS:

1. A telescoping slide comprising:

an outer part and an inner part that is telescopingly movable within the outer part;

at least one slide bearing arranged between the outer and the inner parts for axially guiding the inner part within the outer part;

wherein the at least one slide bearing has at least one composite body comprised of at least one dimensionally stable support layer and at least one elastic compensation layer.

[c2] 2. The telescoping slide according to claim 1, wherein during mounting of the at least one composite body the at least one compensation layer is converted from an elastic mounting state into an elastic deformed state of use.

[c3] 3. The telescoping slide according to claim 1, wherein the at least one composite body in a mounting position is clamped between the inner and outer parts, wherein the elastically hardenable compensation layer provides a clamping position providing a centering action between

the inner and the outer parts.

- [c4] 4. The telescoping slide according to claim 3, wherein the at least one compensation layer in the clamping position is at least partially hardenable.
- [c5] 5. The telescoping slide according to claim 4, wherein the at least one compensation layer is converted from the elastic mounting state with time delay into a completely hardened state of use.
- [c6] 6. The telescoping slide according to claim 1, wherein the at least one support layer and the at least one compensation layer of the composite body are formed of a plastic material, respectively.
- [c7] 7. The telescoping slide according to claim 1, wherein the at least one support layer is partially or completely comprised of a metallic material.
- [c8] 8. The telescoping slide according to claim 1, wherein the at least one support layer is partially or completely comprised of a non-metallic material.
- [c9] 9. The telescoping slide according to claim 1, wherein the at least one support layer and the at least one compensation layer are connected by at least one connection selected from the group of a material-bonding connec-

tion and a positive-locking connection.

- [c10] 10. The telescoping slide according to claim 1, wherein the at least one composite body is configured to have substantially any desired contour.
- [c11] 11. The telescoping slide according to claim 1, wherein the at least one support layer or the at least one compensation layer has a first side secured positively or non-positively on the outer part or on the inner part and has a second contact side opposite the first side, wherein the second contact side forms a sliding surface of the slide bearing.
- [c12] 12. The telescoping slide according to claim 11, wherein the at least one support layer or the at least one compensation layer is secured by a material-bonding connection to one of outer and the inner parts.
- [c13] 13. The telescoping slide according to claim 12, wherein the material-bonding connection is an adhesive connection of a soldering connection.
- [c14] 14. The telescoping slide according to claim 1, wherein the at least one composite body is inserted with pretension between the inner and outer parts and wherein the at least one composite body subsequently assumes a clamping position as a result of expansion of the at least

one compensation layer.

[c15] 15. The telescoping slide according to claim 11, wherein the contact side forming the sliding surface has optimal guiding and sliding properties relative to a surface of metal, non-metal, plastic material, and coatings.

[c16] 16. The telescoping slide according to claim 1, wherein the inner and outer parts have several of the at least one several composite body arranged therebetween, wherein the composite bodies are spaced apart from one another in a telescoping direction of the telescoping slide, and wherein the composite bodies are alternately stationarily secured on the outer part or the inner part.

[c17] 17. The telescoping slide according to claim 1, wherein the at least one compensation layer has a thickness selected such that dimensional tolerances of the at least one slide bearing are compensated.

[c18] 18. The telescoping slide according to claim 1, wherein the inner and outer parts have a circular, oval, elliptical, triangular, quadrangular or polygonal cross-section and wherein a cross-sectional contour and a longitudinal contour of the at least one composite body are matched to the cross-section of the inner and outer parts.

[c19] 19. A telescoping slide comprising:

an outer part and an inner part that is telescopingly movable within the outer part;
at least one slide bearing arranged between the outer and the inner parts for axially guiding the inner part within the outer part;
wherein the at least one slide bearing has at least one monolithic support member having a first side forming a sliding surface on a first one of the inner and outer parts and having a second side provided with shaped projections that, in a mounted position of the at least one slide bearing, provide an elastic contact structure on a second one of the inner and outer parts.

[c20] 20. The telescoping slide according to claim 19, wherein the shaped projections, when mounting the support member, assume an elastically deformed position of use and act as a compensation layer effecting centering of the inner and outer parts relative to one another.

[c21] 21. The telescoping slide according to claim 19, wherein the at least one support member comprises a dimensionally stable support layer and is configured to be reinforced in the area of the shaped projections.

[c22] 22. The telescoping slide according to claim 19, wherein the at least one support member in the mounted position defines receptacles between the shaped projections

and the second one of the inner and outer parts, wherein a filler material is introduced at least partially into the receptacles.

[c23] 23. The telescoping slide according to claim 22, wherein the at least one support member is secured in the position of use by the filler material that is a curable adhesive.

[c24] 24. The telescoping slide according to claim 19, wherein the at least one support member has a contour matched to a cross-section of the telescoping slide and is a half shell or a U-shaped profiled section, wherein the shaped projections extend axially and are monolithic parts of the half shell or the U-shaped profiled section.